

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A two-dimensional drawings creation method of creating two-dimensional drawings based on a three-dimensional model by using a computer source including a processing device source, a memory source, an input device, and an interface, in which the processing device source executes a processing including a step of the method, comprising:

holding, in three-dimensional shape information of a parts model that is formed of one body that has having a shape changing element in part of the body whose shape becomes different shapes between before and after assembling and other common elements whose shapes do not become different shapes between before and after assembling, three-dimensional information on the shape before assembling and the shape after assembling of the shape changing element and the shape of the common elements,

a step of setting a restriction condition between the shape before assembling of the shape changing element and the shape of the common element to become a single part to each other,

a step of setting a restriction condition between the shape after assembling of the shape changing element and the shape of the common elements to become a single part to each other, and

a step of developing the held three-dimensional information into the two-dimensional drawing in accordance with each of the restriction conditions, based on the operation program of the memory source.

2. (Currently Amended) The two-dimensional drawing creation method according to claim 1, wherein the method includes[;]

a step of judging the parts model as to whether it is before or after assembling, and not displaying the shape after assembling of the shape changing element, while displaying the shape before assembling of the shape changing element and the shape of the common elements before assembling, and

a step of not displaying the shape before assembling of the shape changing element while displaying the shape after assembling of the shape changing elements and the shape of the common element after assembling.

3. (Currently Amended) A three-dimensional CAD system including comprising:

a data base that holds, in three-dimensional shape information of a parts model that is formed of one body that has having a shape changing element in part of the body whose shape becomes different shapes between before and after assembling and other common elements whose shapes do not become different shapes between before and after assembling, three-dimensional information on

the shape before assembling and the shape after the assembling of the shape changing element and the shape of the common elements, and

a calculation unit that sets a restriction condition between the shape changing element before assembling and the shape of the common elements to become a single part to each other, sets a restriction condition between the shape after assembling of the shape changing element and the shape of the common elements to become a single part to each other, and develops the three-dimensional shape information held in the data base into a two-dimensional drawing in accordance with each of the restriction conditions.

4. (Currently Amended) The three-dimensional CAD system according to claim 3, including; further comprising:

a display unit for displaying the two-dimensional drawing on a screen, in which the calculation unit judges for the parts model as to whether it is before or after assembling, does not display the shape after assembling of the shape changing elements while displaying the shape before assembling of the shape changing elements and the common elements on the display screen before assembling and does not display the shape before assembling of the shape changing element while displaying the shape after assembling of the shape changing elements and the shape of the common elements on the display screen after assembling.

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Claims 5-6 (Canceled).